

ABSTRACT

~~The invention relates to a sealed~~ A tubular joint, ~~initially comprising with~~ a first male tubular element $[(EM)]$, with a male thread $[(FM)]$, a first annular lip $[(L1)]$, with a first axial abutting surface $(SB1)$, a first internal surface $(SI1)$, a section of a first external surface $(SE1)$, a second abutting surface $(SB2)$ and a second female tubular element $[(EF)]$, with a female thread $[(FF)]$, matching the male thread $[(FM)]$, a second annular lip $[(L2)]$, with a third abutting surface $(SB3)$, a second external surface $(SE2)$, arranged to face the first internal surface $(SI1)$, a second internal surface $(SI2)$ and a fourth axial abutting surface $(SB4)$, supporting the first abutting surface $(SB1)$ and defining, in particular with the second external surface $(SE2)$, an annular housing $[(LO)]$, matching the first lip $[(L1)]$. The second $(SB2)$ and third $(SB3)$ abutting surfaces ~~are initially being~~ conical with angles of ~~inclination which are~~ effectively identical inclines and which permit, ~~on screwing, the contact of the second abutting surface $(SB2)$ against the third abutting surface $(SB3)$, generating a first radial locking and sealing contact of the first internal surface $(SI1)$ or external surface $(SE1)$ against the second external surface $(SE2)$, or the third internal surface $(SI3)$, and~~ $[[then]]$, with a diametrical expansion, ~~in the region of the plastic deformation by means of an axially displaceable expansion tool, the first external surface $(SE1)$ and the third internal surface $(SI3)$ are forced to locally define~~ provides a second locking and sealing contact.